

**FIG. 1**

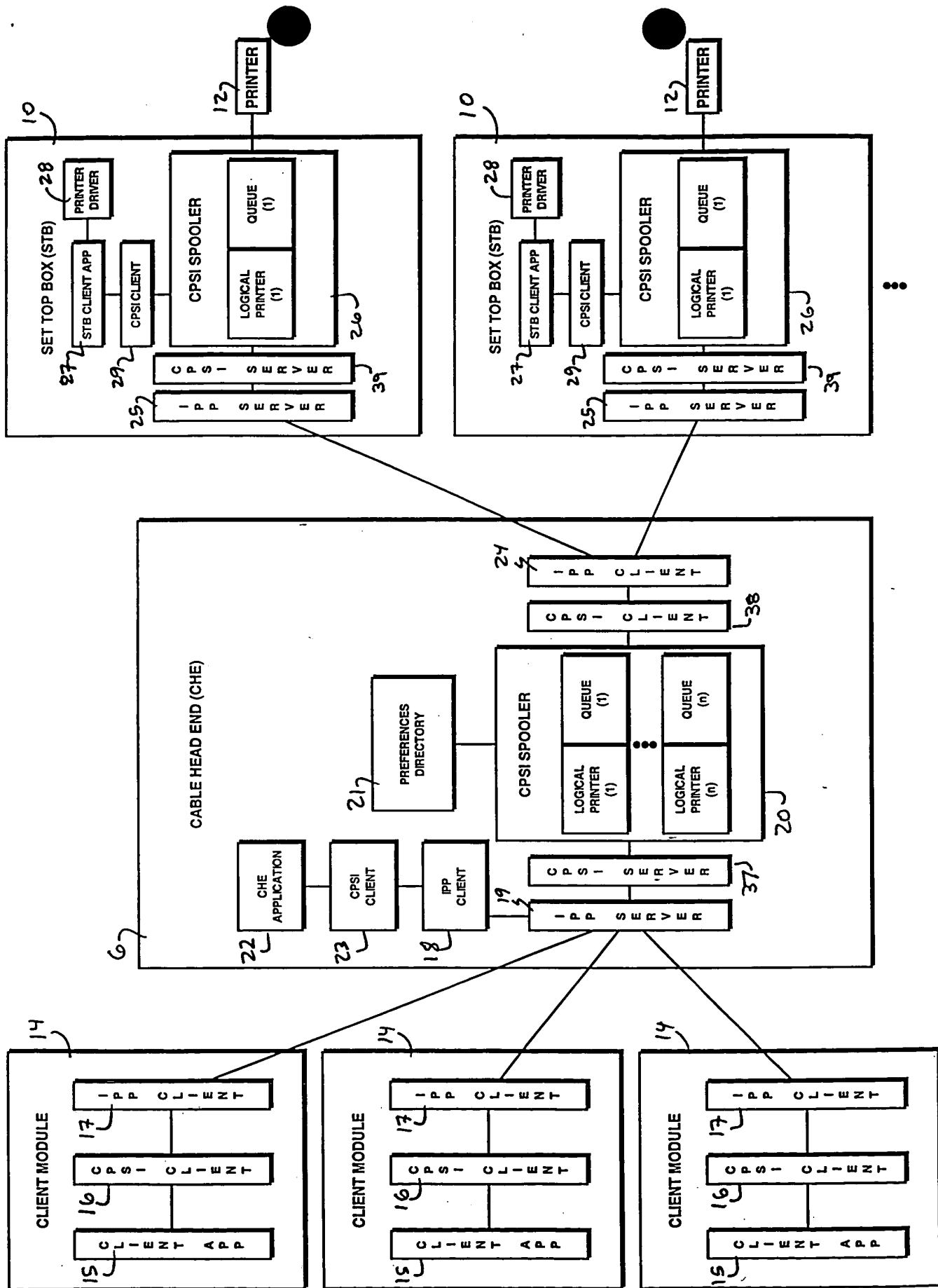
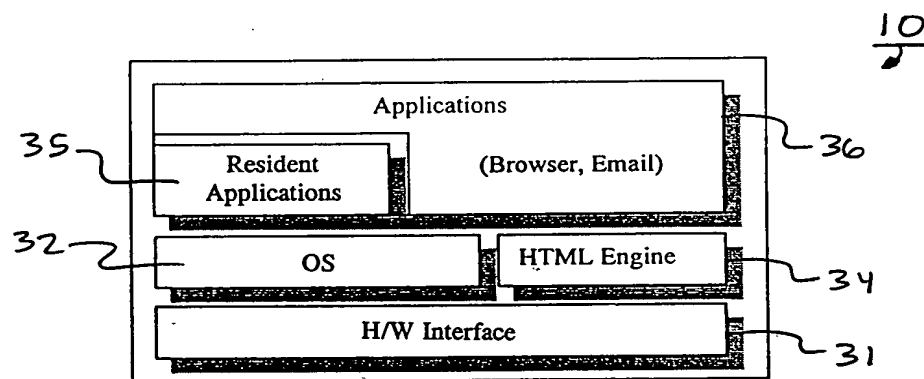


FIG. 2



**FIG. 3**

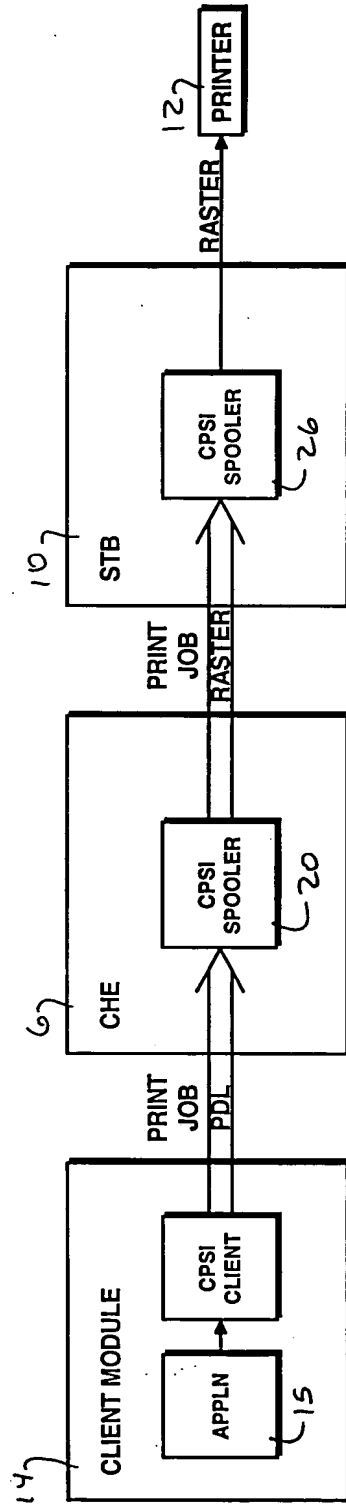


FIG. 4

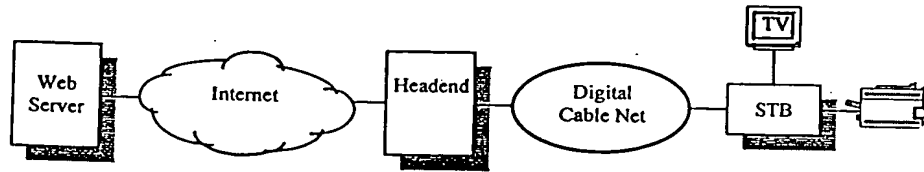
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graph TD
    S501[CABLE HEAD END RECEIVES PRINT JOB] --> S502[RETRIEVE USER PROFILE FROM DIRECTORY]
    S502 --> S503{REJECT JOB?}
    S503 -- YES --> S504[REJECT]
    S503 -- NO --> S506[SCHEDULE JOB AND DEPOSIT JOB IN USER QUEUE]
    S506 --> S507{DRIVER EXISTS?}
    S507 -- NO --> S509[OBTAIN PRINTER TYPE FROM STB]
    S509 --> S510[LOAD DRIVER AND UPDATE DIRECTORY]
    S510 --> S511{LOGICAL PRINTER CREATED?}
    S507 -- YES --> S511
    S511 -- NO --> S512[CREATE LOGICAL PRINTER]
    S512 --> S511
    S511 -- YES --> S514[RASTERIZE PRINT JOB PER SCHEDULE]
    S514 --> S515[TRANSMIT TO STB]
    S515 --> S516[STB RECEIVES RASTERIZED PRINT JOB]
    S516 --> S517{LOGICAL PRINTER CREATED?}
    S517 -- NO --> S519[CREATE LOGICAL PRINTER]
    S519 --> S517
    S517 -- YES --> S520[PRINT JOB EXECUTED]

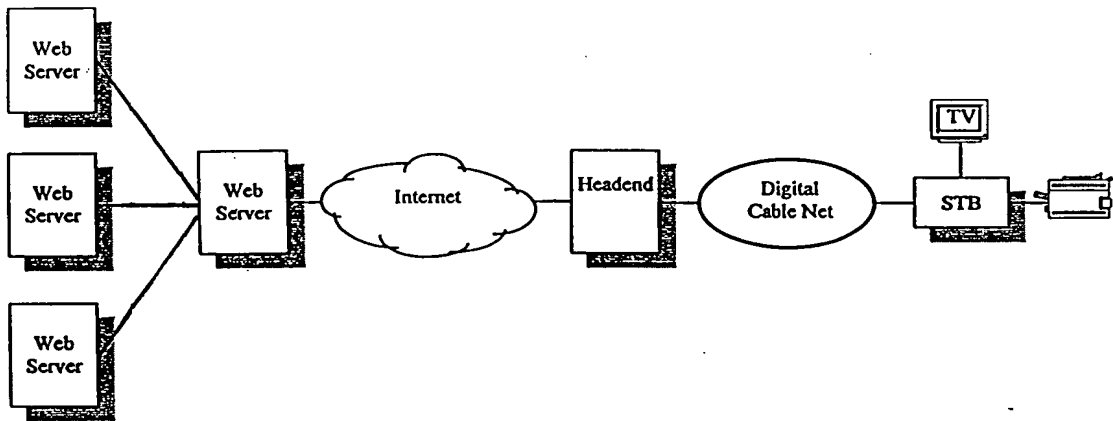
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**FIG. 5**

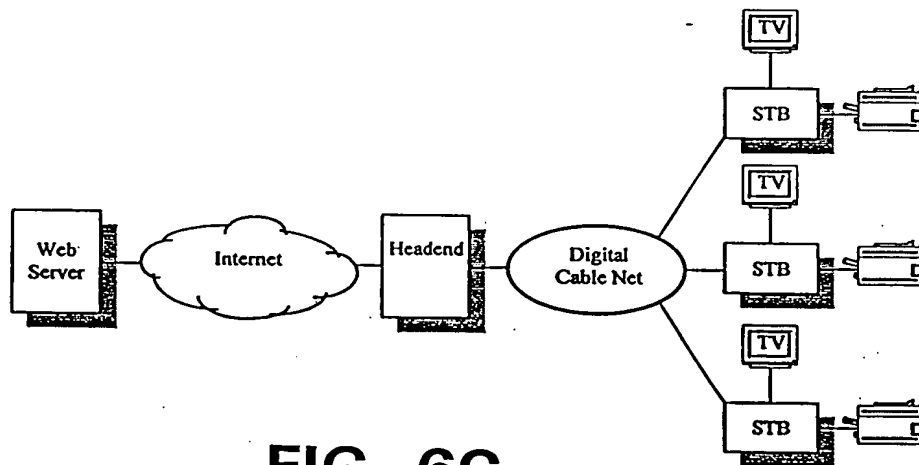
**FIG. 5**



**FIG. 6A**



**FIG. 6B**



**FIG. 6C**

60020" 58545260

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graph TD
    S701[CABLE HEAD END RECEIVES PRINT JOB] --> S702[RETRIEVE USER PROFILE FROM DIRECTORY]
    S702 --> S703{REJECT JOB?}
    S703 -- YES --> S705[REJECT]
    S703 -- NO --> S706[DETERMINE DESTINATION ADDRESS(ES)]
    S706 --> S707{LOGICAL PRINTER(S) CREATED?}
    S707 -- NO --> S709[CREATE LOGICAL PRINTER(S)]
    S707 -- YES --> S710[SCHEDULE JOB AND DEPOSIT JOB IN USER QUEUE]
    S709 --> S710
    S710 --> S711[UNICAST/BROADCAST PRINT JOB TO DESTINATION ADDRESS(ES)]
    S711 --> S712[AWAIT NOTIFICATION OF PRINTOUT]

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graph TD
    S720[RECEIVE PRINT JOB] --> S721[EXECUTE]
    S721 --> S722[BUILD NOTIFICATION CLIENT]
    S722 --> S723[NOTIFY CABLE HEAD END OF PRINT STATUS]
    S720 --- S723
    S720 --- SET_TOP_BOX[SET TOP BOX]
    
```

**FIG. 7B**

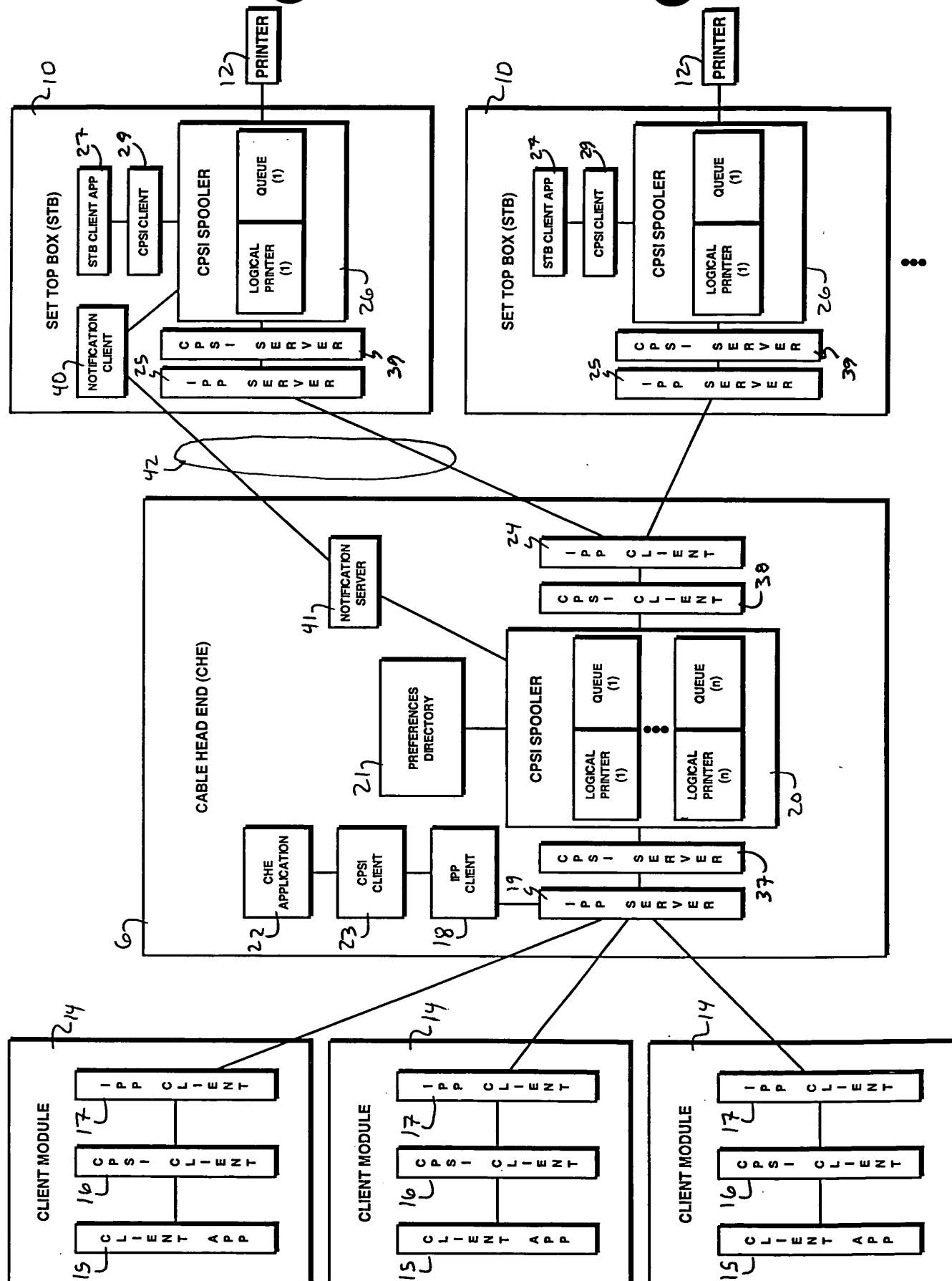


FIG. 8



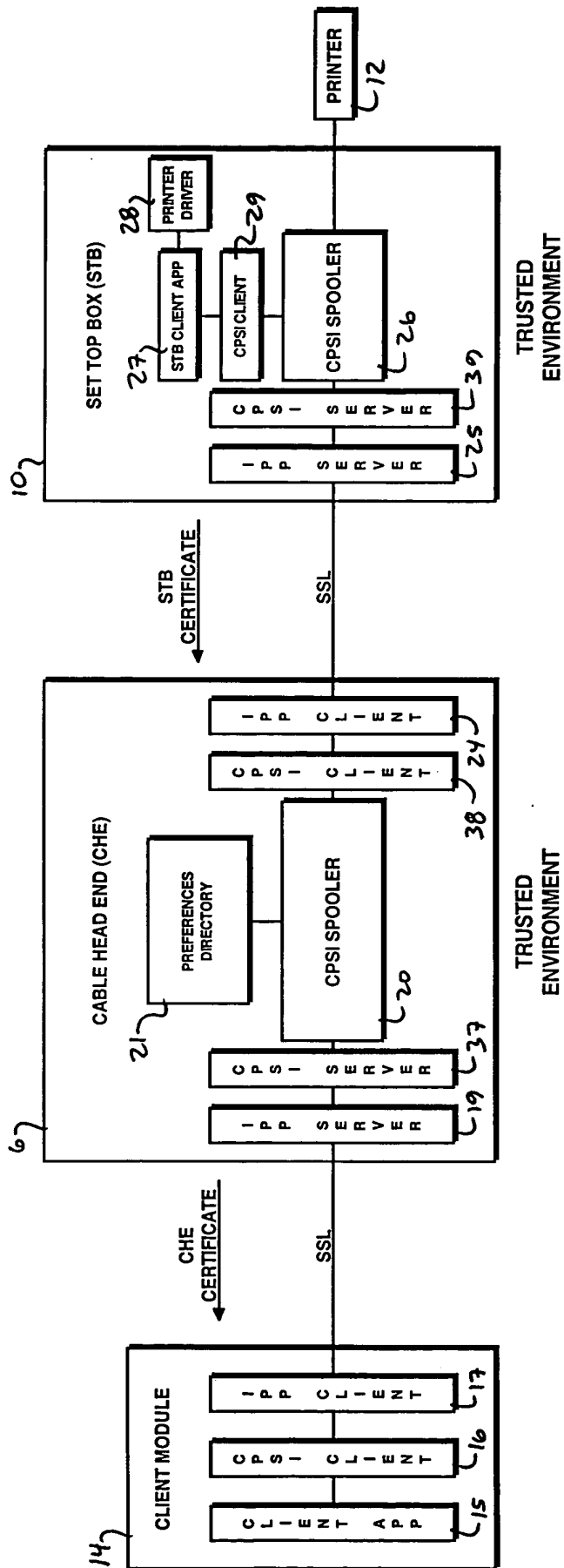


FIG. 9

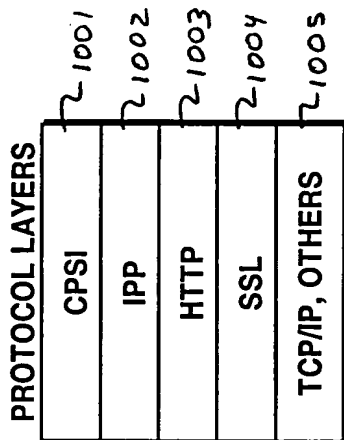


FIG. 10

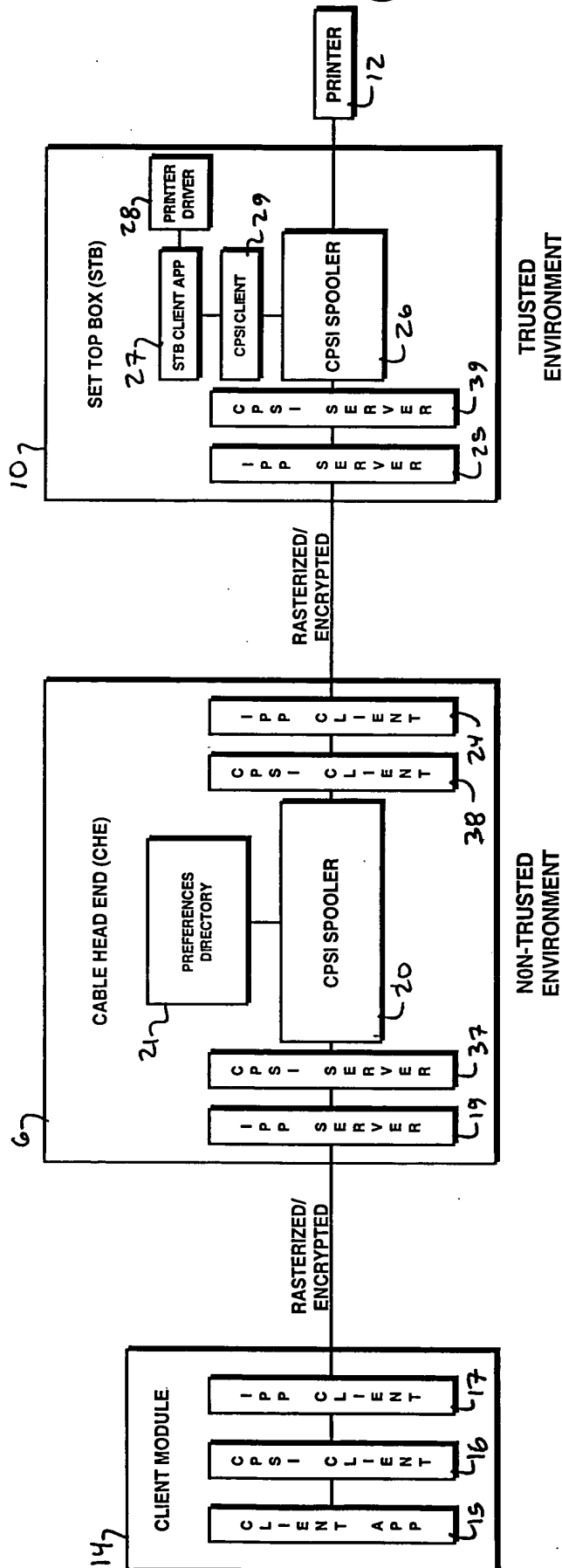
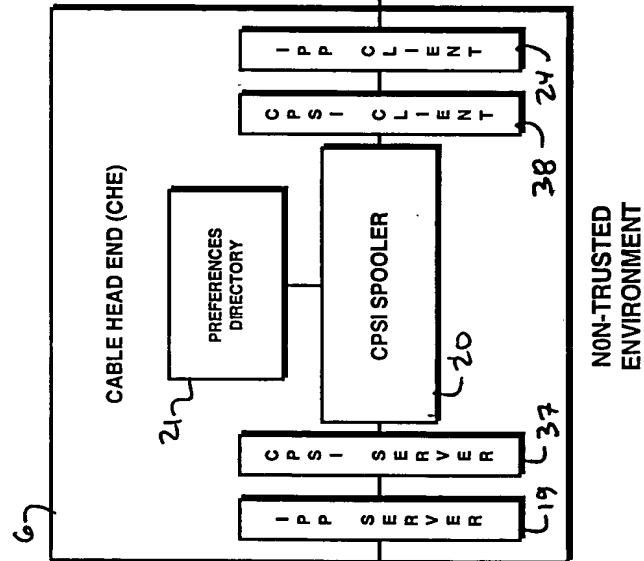


FIG. 11



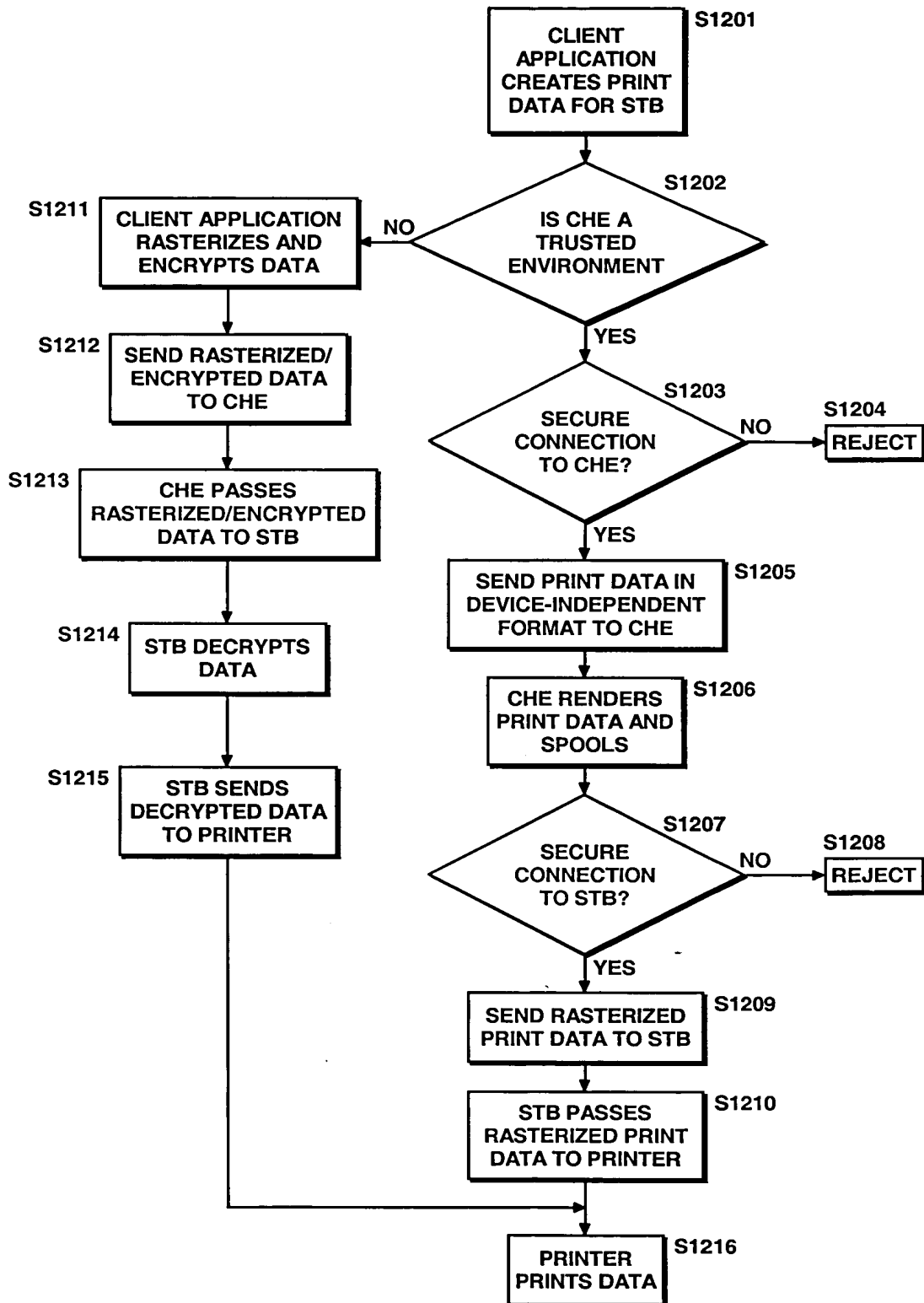


FIG. 12

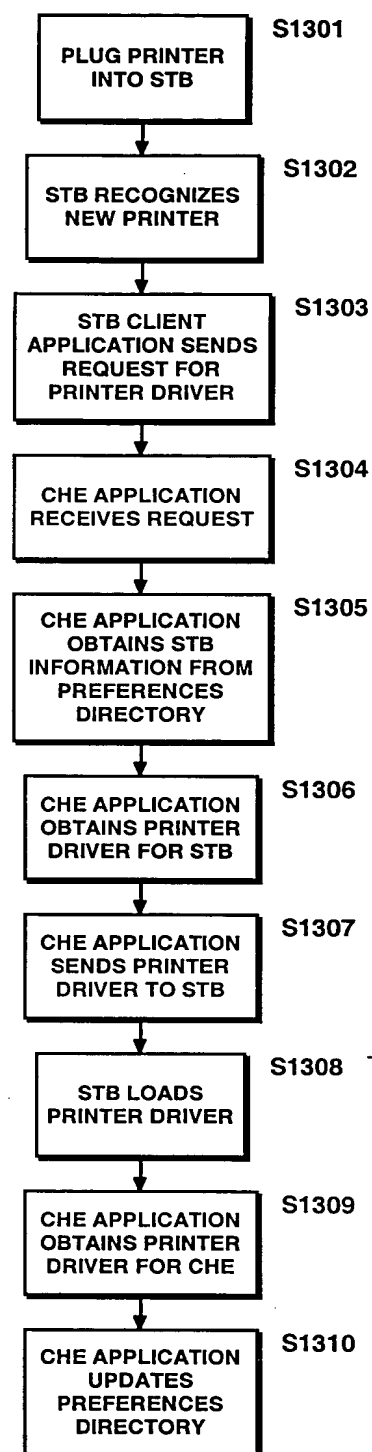


FIG. 13